

Refine Search

Search Results -

Terms	Documents
6056194.pn.	1

Database:	US Pre-Grant Publication Full-Text Database
	US Patents Full-Text Database
	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins

Search:

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Saturday, March 06, 2004 [Printable Copy](#) [Create Case](#)

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L18 6056194.pn.

1 L18

L17 L14 and 705/26,27.ccls.

2 L17

DB=EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L16 L14

2 L16

DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L15 L14 and (car and (internet or remote or online or web\$))

28 L15

L14 pay\$ and dispens\$ and vend\$ and (gas\$ adj station)

78 L14

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L13 5761648.pn. or 5710886.pn. or 5822735.pn.

3 L13

DB=EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L12 L10 and (order\$ with grocer\$)

1 L12

L11 L10 and (order\$ with ingredient)

0 L11

L10 (ingredient or recipe) and grocery

22 L10

<u>L9</u>	(ingredient or recipe) and grocery and order	0	<u>L9</u>
<u>L8</u>	ingredient and grocery and order	0	<u>L8</u>
<u>L7</u>	ingredient and track and grocery and order	0	<u>L7</u>
<u>L6</u>	ingredient and track and grocery and order and recipe	0	<u>L6</u>
<u>L5</u>	L1	0	<u>L5</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L4</u>	L2 and (order\$ with ingredient)	14	<u>L4</u>
<u>L3</u>	L2 (order\$ with ingredient)	23801	<u>L3</u>
<u>L2</u>	L1 and database	74	<u>L2</u>
<u>L1</u>	menu and ingredient and track and grocery and order and recipe	78	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: WO 2003090020 A2

Using default format because multiple data bases are involved.

L16: Entry 1 of 2

File: DWPI

Oct 30, 2003

DERWENT-ACC-NO: 2003-854182

DERWENT-WEEK: 200379

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Prepaid telephone card selling method for use in electronic-commerce kiosk, involves dispensing redeemable voucher to user, based on difference between funds received from user and amount to be paid by user

INVENTOR: BOYLE, M J; SORENSON, T N

PRIORITY-DATA: 2002US-372844P (April 16, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 2003090020 A2</u>	October 30, 2003	E	030	G06F000/00

INT-CL (IPC): G06 F 0/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	--------

☐ 2. Document ID: US 6401009 B1

L16: Entry 2 of 2

File: DWPI

Jun 4, 2002

DERWENT-ACC-NO: 2002-546316

DERWENT-WEEK: 200258

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Sundry article vending apparatus has sundry article vending controller that actuates dispensing of sundry articles from storage device based purchase desire of user who purchases vehicle product and service

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	--------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
-------	---------------------	-------	----------	-----------	---------------

Terms	Documents
L14	2

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 6535726 B1

Using default format because multiple data bases are involved.

L17: Entry 1 of 2

File: USPT

Mar 18, 2003

US-PAT-NO: 6535726

DOCUMENT-IDENTIFIER: US 6535726 B1

TITLE: Cellular telephone-based transaction processing

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johnson; William S.	Jamestown	NC		

US-CL-CURRENT: 455/406; 235/381, 455/405, 705/26

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	--------

☐ 2. Document ID: US 6490443 B1

L17: Entry 2 of 2

File: USPT

Dec 3, 2002

US-PAT-NO: 6490443

DOCUMENT-IDENTIFIER: US 6490443 B1

TITLE: Communication and proximity authorization systems

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	--------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
-------	---------------------	-------	----------	-----------	---------------

Terms	Documents
L14 and (705/26 705/27).ccls.	2

Display Format: [Change Format](#)

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)

Generate Collection

Print

L15: Entry 5 of 28

File: USPT

Jul 23, 2002

US-PAT-NO: 6424884

DOCUMENT-IDENTIFIER: US 6424884 B1

TITLE: Vending machine with transponder interrogator

DATE-ISSUED: July 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brooke, Jr.; Russell J.	Atlanta	GA		
Schwartz; Jeremy	Vienna			AT

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
The Coca-Cola Company	Atlanta	GA			02

APPL-NO: 09/ 261268 [PALM]

DATE FILED: March 3, 1999

INT-CL: [07] G07 F 7/02

US-CL-ISSUED: 700/232

US-CL-CURRENT: 700/232

FIELD-OF-SEARCH: 700/232, 700/236, 700/237, 700/238, 700/241, 700/244, 235/381, 235/383, 186/36, 186/53, 186/55

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3914762</u>	October 1975	Klensch	
<input type="checkbox"/>	<u>4072930</u>	February 1978	Lucero et al.	
<input type="checkbox"/>	<u>4573954</u>	March 1986	Berger et al.	
<input type="checkbox"/>	<u>5069453</u>	December 1991	Koza et al.	
<input type="checkbox"/>	<u>5072380</u>	December 1991	Randelman et al.	
<input type="checkbox"/>	<u>5119087</u>	June 1992	Lucas	
<input type="checkbox"/>	<u>5264822</u>	November 1993	Vogelman et al.	

<input type="checkbox"/> <u>5351187</u>	September 1994	Hassett	
<input type="checkbox"/> <u>5382778</u>	January 1995	Takahira et al.	
<input type="checkbox"/> <u>5450938</u>	September 1995	Rademacher	
<input type="checkbox"/> <u>5532689</u>	July 1996	Bueno	
<input type="checkbox"/> <u>5569082</u>	October 1996	Kaye	
<input type="checkbox"/> <u>5586686</u>	December 1996	Bustos et al.	186/55 X
<input type="checkbox"/> <u>5588649</u>	December 1996	Blumberg et al.	
<input type="checkbox"/> <u>5602919</u>	February 1997	Hurta et al.	
<input type="checkbox"/> <u>5648767</u>	July 1997	O'Connor et al.	
<input type="checkbox"/> <u>5661286</u>	August 1997	Fujioka	
<input type="checkbox"/> <u>5709603</u>	January 1998	Kaye	
<input type="checkbox"/> <u>5798714</u>	August 1998	Nyfelt	
<input type="checkbox"/> <u>5862222</u>	January 1999	Gunnarsson	
<input type="checkbox"/> <u>5980090</u>	November 1999	Royal et al.	700/241
<input type="checkbox"/> <u>6089284</u>	July 2000	Kaehler et al.	700/232 X

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 461 888	December 1991	EP	

ART-UNIT: 2167

PRIMARY-EXAMINER: Bartuska; F. J.

ATTY-AGENT-FIRM: Sutherland Asbill & Brennan LLP

ABSTRACT:

A vending machine includes a transponder interrogator. A customer carries a transponder embedded within an ornamental or useful item, such as a key chain ornament. When the customer desires to make a purchase from the vending machine, the customer presents the transponder to the transponder interrogator. The transponder is identified and a credit amount associated with that transponder is debited the purchase price. The system enables the vending machine operator to track the purchasing habits of the transponder user, and to provide instant incentives to purchasers using the transponder, based upon the customer's profile or purchasing habits.

31 Claims, 6 Drawing figures

[First Hit](#) [Fwd Refs](#)

Generate Collection

Print

L15: Entry 12 of 28

File: USPT

Nov 27, 2001

US-PAT-NO: 6321985

DOCUMENT-IDENTIFIER: US 6321985 B1

TITLE: System and method for networking and controlling vending machines

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kolls; Brock	Phoenixville	PA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
USA Technologies, Inc.	Wayne	PA			02

APPL-NO: 09/ 550865 [PALM]

DATE FILED: April 17, 2000

PARENT-CASE:

RELATED APPLICATION This is a continuation application claiming priority from application Ser. No. 08/793,588 filed Feb. 27, 1997 now U.S. Pat. No. 6,056,194, which is a continuation-in-part application of the application of common assignment herewith of inventor Brock Kolls, entitled UNIVERSAL VENDING MACHINE CONTROL SYSTEM AND METHOD, Ser. No. 08/298,067, filed on Aug. 29, 1994, abandoned and CREDIT AND BANK ISSUED DEBIT CARD OPERATED SYSTEM AND METHOD FOR CONTROLLING A PREPAID CARD ENCODING/DISPENSING MACHINE, Ser. No. 08/489,682 filed Jun. 13, 1995, now U.S. Pat. No. 5,637,845.

INT-CL: [07] G06 K 5/00

US-CL-ISSUED: 235/381; 235/380

US-CL-CURRENT: 235/381; 235/380

FIELD-OF-SEARCH: 235/381, 235/382, 235/380, 235/382.5, 902/23, 902/32

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

PAT-NO

ISSUE-DATE

PATENTEE-NAME

US-CL

4267915

May 1981

McLaughlin et al.

4412292

October 1983

Sedam et al.

<input type="checkbox"/> <u>4498570</u>	February 1985	King et al.	
<input type="checkbox"/> <u>4767917</u>	August 1988	Ushikubo	
<input type="checkbox"/> <u>4853684</u>	August 1989	Hoppstadter	
<input type="checkbox"/> <u>4884212</u>	November 1989	Strutsman	
<input type="checkbox"/> <u>4947028</u>	August 1990	Gorog	
<input type="checkbox"/> <u>4949257</u>	August 1990	Orbach	
<input type="checkbox"/> <u>5091713</u>	February 1992	Horne et al.	
<input type="checkbox"/> <u>5147021</u>	September 1992	Maruyama	
<input type="checkbox"/> <u>5206488</u>	April 1993	Teicher	
<input type="checkbox"/> <u>5225977</u>	July 1993	Hooper et al.	
<input type="checkbox"/> <u>5239480</u>	August 1993	Huegel	235/381
<input type="checkbox"/> <u>5303844</u>	April 1994	Muehlberger	235/381
<input type="checkbox"/> <u>5398799</u>	March 1995	Rannon et al.	
<input type="checkbox"/> <u>5440108</u>	August 1995	Tran et al.	235/381
<input type="checkbox"/> <u>5442629</u>	August 1995	Geyer et al.	
<input type="checkbox"/> <u>5445295</u>	August 1995	Brown	
<input type="checkbox"/> <u>5450938</u>	September 1995	Rademacher	
<input type="checkbox"/> <u>5621796</u>	April 1997	Davis et al.	235/380 X
<input type="checkbox"/> <u>5637845</u>	June 1997	Kolls	235/381
<input type="checkbox"/> <u>5728999</u>	March 1998	Teicher	235/381
<input type="checkbox"/> <u>5769269</u>	June 1998	Peters	221/7
<input type="checkbox"/> <u>6056194</u>	May 2000	Kolls	235/381

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
6-111103	April 1994	JP	
96/36023	November 1996	WO	

ART-UNIT: 286

PRIMARY-EXAMINER: Lee; Michael G.

ASSISTANT-EXAMINER: Fureman; Jared J.

ATTY-AGENT-FIRM: Ratner & Prestia

ABSTRACT:

A vending machine control system and method for controlling vending of items from one or more vending machines having a coin acceptor interface and selection controls for selecting items to vend. Control system and method are provided for sending and receiving information to and from each of the vending machines to

control the vending of items to users. Network system is connected to each of the coin acceptor interfaces for facilitating communication between the control system and the vending machines.

6 Claims, 16 Drawing figures

First Hit Fwd Refs

Generate Collection

Print

L15: Entry 5 of 28

File: USPT

Jul 23, 2002

US-PAT-NO: 6424884

DOCUMENT-IDENTIFIER: US 6424884 B1

TITLE: Vending machine with transponder interrogator

DATE-ISSUED: July 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brooke, Jr.; Russell J.	Atlanta	GA		
Schwartz; Jeremy	Vienna			AT

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
The Coca-Cola Company	Atlanta	GA			02

APPL-NO: 09/ 261268 [PALM]

DATE FILED: March 3, 1999

INT-CL: [07] G07 F 7/02

US-CL-ISSUED: 700/232

US-CL-CURRENT: 700/232

FIELD-OF-SEARCH: 700/232, 700/236, 700/237, 700/238, 700/241, 700/244, 235/381, 235/383, 186/36, 186/53, 186/55

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3914762</u>	October 1975	Klensch	
<input type="checkbox"/>	<u>4072930</u>	February 1978	Lucero et al.	
<input type="checkbox"/>	<u>4573954</u>	March 1986	Berger et al.	
<input type="checkbox"/>	<u>5069453</u>	December 1991	Koza et al.	
<input type="checkbox"/>	<u>5072380</u>	December 1991	Randelman et al.	
<input type="checkbox"/>	<u>5119087</u>	June 1992	Lucas	
<input type="checkbox"/>	<u>5264822</u>	November 1993	Vogelman et al.	

<input type="checkbox"/> <u>5351187</u>	September 1994	Hassett	
<input type="checkbox"/> <u>5382778</u>	January 1995	Takahira et al.	
<input type="checkbox"/> <u>5450938</u>	September 1995	Rademacher	
<input type="checkbox"/> <u>5532689</u>	July 1996	Bueno	
<input type="checkbox"/> <u>5569082</u>	October 1996	Kaye	
<input type="checkbox"/> <u>5586686</u>	December 1996	Bustos et al.	186/55 X
<input type="checkbox"/> <u>5588649</u>	December 1996	Blumberg et al.	
<input type="checkbox"/> <u>5602919</u>	February 1997	Hurta et al.	
<input type="checkbox"/> <u>5648767</u>	July 1997	O'Connor et al.	
<input type="checkbox"/> <u>5661286</u>	August 1997	Fujioka	
<input type="checkbox"/> <u>5709603</u>	January 1998	Kaye	
<input type="checkbox"/> <u>5798714</u>	August 1998	Nyfelt	
<input type="checkbox"/> <u>5862222</u>	January 1999	Gunnarsson	
<input type="checkbox"/> <u>5980090</u>	November 1999	Royal et al.	700/241
<input type="checkbox"/> <u>6089284</u>	July 2000	Kaehler et al.	700/232 X

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 461 888	December 1991	EP	

ART-UNIT: 2167

PRIMARY-EXAMINER: Bartuska; F. J.

ATTY-AGENT-FIRM: Sutherland Asbill & Brennan LLP

ABSTRACT:

A vending machine includes a transponder interrogator. A customer carries a transponder embedded within an ornamental or useful item, such as a key chain ornament. When the customer desires to make a purchase from the vending machine, the customer presents the transponder to the transponder interrogator. The transponder is identified and a credit amount associated with that transponder is debited the purchase price. The system enables the vending machine operator to track the purchasing habits of the transponder user, and to provide instant incentives to purchasers using the transponder, based upon the customer's profile or purchasing habits.

31 Claims, 6 Drawing figures

[First Hit](#) [Fwd Refs](#)☐ [Generate Collection](#) [Print](#)

L15: Entry 12 of 28

File: USPT

Nov 27, 2001

US-PAT-NO: 6321985

DOCUMENT-IDENTIFIER: US 6321985 B1

TITLE: System and method for networking and controlling vending machines

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kolls; Brock	Phoenixville	PA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
USA Technologies, Inc.	Wayne	PA			02

APPL-NO: 09/ 550865 [\[PALM\]](#)

DATE FILED: April 17, 2000

PARENT-CASE:

RELATED APPLICATION This is a continuation application claiming priority from application Ser. No. 08/793,588 filed Feb. 27, 1997 now U.S. Pat. No. 6,056,194, which is a continuation-in-part application of the application of common assignment herewith of inventor Brock Kolls, entitled UNIVERSAL VENDING MACHINE CONTROL SYSTEM AND METHOD, Ser. No. 08/298,067, filed on Aug. 29, 1994, abandoned and CREDIT AND BANK ISSUED DEBIT CARD OPERATED SYSTEM AND METHOD FOR CONTROLLING A PREPAID CARD ENCODING/DISPENSING MACHINE, Ser. No. 08/489,682 filed Jun. 13, 1995, now U.S. Pat. No. 5,637,845.

INT-CL: [07] [G06 K 5/00](#)

US-CL-ISSUED: 235/381; 235/380

US-CL-CURRENT: [235/381](#); [235/380](#)

FIELD-OF-SEARCH: 235/381, 235/382, 235/380, 235/382.5, 902/23, 902/32

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#) [Search ALL](#) [Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4267915	May 1981	McLaughlin et al.	
<input type="checkbox"/> 4412292	October 1983	Sedam et al.	

<input type="checkbox"/> <u>4498570</u>	February 1985	King et al.	
<input type="checkbox"/> <u>4767917</u>	August 1988	Ushikubo	
<input type="checkbox"/> <u>4853684</u>	August 1989	Hoppstadter	
<input type="checkbox"/> <u>4884212</u>	November 1989	Strutsman	
<input type="checkbox"/> <u>4947028</u>	August 1990	Gorog	
<input type="checkbox"/> <u>4949257</u>	August 1990	Orbach	
<input type="checkbox"/> <u>5091713</u>	February 1992	Horne et al.	
<input type="checkbox"/> <u>5147021</u>	September 1992	Maruyama	
<input type="checkbox"/> <u>5206488</u>	April 1993	Teicher	
<input type="checkbox"/> <u>5225977</u>	July 1993	Hooper et al.	
<input type="checkbox"/> <u>5239480</u>	August 1993	Huegel	235/381
<input type="checkbox"/> <u>5303844</u>	April 1994	Muehlberger	235/381
<input type="checkbox"/> <u>5398799</u>	March 1995	Rannon et al.	
<input type="checkbox"/> <u>5440108</u>	August 1995	Tran et al.	235/381
<input type="checkbox"/> <u>5442629</u>	August 1995	Geyer et al.	
<input type="checkbox"/> <u>5445295</u>	August 1995	Brown	
<input type="checkbox"/> <u>5450938</u>	September 1995	Rademacher	
<input type="checkbox"/> <u>5621796</u>	April 1997	Davis et al.	235/380 X
<input type="checkbox"/> <u>5637845</u>	June 1997	Kolls	235/381
<input type="checkbox"/> <u>5728999</u>	March 1998	Teicher	235/381
<input type="checkbox"/> <u>5769269</u>	June 1998	Peters	221/7
<input type="checkbox"/> <u>6056194</u>	May 2000	Kolls	235/381

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
6-111103	April 1994	JP	
96/36023	November 1996	WO	

ART-UNIT: 286

PRIMARY-EXAMINER: Lee; Michael G.

ASSISTANT-EXAMINER: Fureman; Jared J.

ATTY-AGENT-FIRM: Ratner & Prestia

ABSTRACT:

A vending machine control system and method for controlling vending of items from one or more vending machines having a coin acceptor interface and selection controls for selecting items to vend. Control system and method are provided for sending and receiving information to and from each of the vending machines to

control the vending of items to users. Network system is connected to each of the coin acceptor interfaces for facilitating communication between the control system and the vending machines.

6 Claims, 16 Drawing figures